

The Claims

This listing of claims will replace all prior versions and listings of claims in the application.

1. - 7. (canceled)

8. (currently amended) The grinder for grinding material as in ~~claim 7~~ claim 31, further comprising a biasing device retained in the grinder housing abutting one of the rotatable burr and non-rotatable burr in opposition to the adjuster to provide a biasing force on the grinding burrs.

9. - 18. (canceled)

33. (new) A coffee grinder for grinding coffee beans, the coffee grinder comprising:

- a grinder housing;
- a controllable grinding assembly retained in the housing;
- the grinding assembly having a bean grinding assembly for grinding coffee beans into particles of a generally predetermined size range;
- the bean grinding assembly having a first grinding burr and a second grinding burr for grinding coffee beans;
- the first grinding burr having a first grinding surface;
- the second burr having a second grinding surface retained generally in opposition to first grinding surface of the first burr;
- the second grinding burr is a generally non-rotatable burr adjustably retained in the grinder housing;
- a gap being defined between the first grinding surface of the first grinding burr and the second grinding surface of the second grinding burr between which coffee beans are ground;
- a grinder drive;
- the first grinding burr is a rotatable burr coupled to the grinder drive;
- a shaft of the grinder drive extending through the second grinding burr and connected to the first grinding burr with an auger positioned at least in the area between the burrs;

19. (currently amended) The coffee grinder as in ~~claim 18~~ claim 33, the adjuster body being threadedly engaged with a portion of the housing, the controllable burr adjustment drive is engaged with the adjuster body, the burr adjuster drive is a rotating drive for controllably rotating the adjuster body to controllably adjust a space between the ~~rotatable~~ first burr and ~~non-rotatable~~ second burr.

20. (currently amended) The coffee grinder as in claim 19, further comprising a biasing device retained proximate to the bean grinding assembly abutting one of the ~~rotatable~~ first burr and ~~non-rotatable~~ second burr in opposition to the adjuster to provide a biasing force on the grinding burrs.

21. – 29. (canceled)

30. (new) A grinder for grinding materials, the grinder comprising:

- a grinder housing;
- a grinding burr assembly retained in the housing;
- the grinding burr assembly having a pair of grinding burrs for grinding material

therebetween;

- a first burr having a first grinding surface;

a second burr having a second grinding surface retained generally in opposition to first grinding surface of the first burr;

- a grinder drive;

the second burr is a rotatable burr coupled to the grinder drive;

the first burr is a generally non-rotatable burr adjustably retained in the grinder housing including gear teeth on an exterior surface;

a shaft of the grinder drive extending through the first burr and connected to the second burr with an auger positioned at least in the area between the burrs;

a controllable burr adjuster operatively coupled to the grinding burr assembly for controllably adjusting a space between the first and second grinding surfaces of the burrs;

the controllable burr adjuster includes a controllable gear drive engaged with gear teeth on the non-rotatable burr with the controllable gear driving and controllably moving the non-rotatable burr; and

the controllable burr adjuster coupled to and moving with the burr adjusted by the adjuster.

31. (new) A grinder for grinding materials, the grinder comprising:
- a grinder housing;
 - a grinding burr assembly retained in the housing;
 - the grinding burr assembly having a pair of grinding burrs for grinding material therebetween;
 - a first burr having a first grinding surface;
 - a second burr having a second grinding surface retained generally in opposition to first grinding surface of the first burr;
 - a grinder drive;
 - the second burr is a rotatable burr coupled to the grinder drive;
 - the first burr is a generally non-rotatable burr adjustably retained in the grinder housing;
 - a shaft of the grinder drive extending through the first burr and connected to the second burr with an auger positioned at least in the area between the burrs;
 - a controllable burr adjuster operatively coupled to the grinding burr assembly for controllably adjusting a space between the first and second grinding surfaces of the burrs;
 - the controllable burr adjuster coupled to and moving with the burr adjusted by the adjuster;
 - an adjuster body threadedly engaged with the housing;
 - a controllable burr adjustment drive is engaged with the adjuster body; and
 - the burr adjuster drive is a rotating drive for controllably rotating the adjuster body to controllably adjust a space between the rotatable burr and non-rotatable burr.

32. (new) A coffee grinder for grinding coffee beans, the coffee grinder comprising:
- a grinder housing;
 - a controllable grinding assembly retained in the housing;
 - the grinding assembly having a bean grinding assembly for grinding coffee beans into particles of a generally predetermined size range;
 - the bean grinding assembly having a first grinding burr and a second grinding burr for grinding coffee beans;
 - the first grinding burr having a first grinding surface;
 - the second burr having a second grinding surface retained generally in opposition to first grinding surface of the first burr;
 - the second grinding burr is a generally non-rotatable burr adjustably retained in the grinder housing;
 - a gap being defined between the first grinding surface of the first grinding burr and the second grinding surface of the second grinding burr between which coffee beans are ground;
 - a grinder drive;
 - the first grinding burr is a rotatable burr coupled to the grinder drive;
 - a shaft of the grinder drive extending through the second grinding burr and connected to the first grinding burr with an auger positioned at least in the area between the burrs;
 - a controllable burr adjuster operatively coupled to the second grinding burr for controllably moving the second grinding burr relative to the first grinding burr and to adjust the gap between the first grinding surface and the second grinding surface;
 - the controllable burr adjuster coupled to and moving with the second grinding burr;
 - gear teeth on an exterior surface of the second grinding burr;
 - a controllable gear drive of the controllable burr adjuster engaged with gear teeth on the second grinding burr; and
 - the controllable gear drive controllably moving the second grinding burr.

33. (new) A coffee grinder for grinding coffee beans, the coffee grinder comprising:
- a grinder housing;
 - a controllable grinding assembly retained in the housing;
 - the grinding assembly having a bean grinding assembly for grinding coffee beans into particles of a generally predetermined size range;
 - the bean grinding assembly having a first grinding burr and a second grinding burr for grinding coffee beans;
 - the first grinding burr having a first grinding surface;
 - the second burr having a second grinding surface retained generally in opposition to first grinding surface of the first burr;
 - the second grinding burr is a generally non-rotatable burr adjustably retained in the grinder housing;
 - a gap being defined between the first grinding surface of the first grinding burr and the second grinding surface of the second grinding burr between which coffee beans are ground;
 - a grinder drive;
 - the first grinding burr is a rotatable burr coupled to the grinder drive;
 - a shaft of the grinder drive extending through the second grinding burr and connected to the first grinding burr with an auger positioned at least in the area between the burrs;
 - a controllable burr adjuster including a controllable adjustment drive, and an adjuster body coupled to and moving with the second grinding burr for controllably moving the second grinding burr relative to the first grinding burr and to adjust the gap between the first grinding surface and the second grinding surface.